

Cadalmin™ Green Mussel extract

GMe

*A natural remedy to
joint pain and
arthritis from
green mussel*



CMFRI has developed Cadalmin™ Green Mussel extract (GMe), which contains 100% natural, marine, bioactive anti-inflammatory principles extracted from the green mussel *Perna viridis*. The product is effective for chronic joint pain/arthritis, improves cardiovascular functioning and is complete nutritional supplement.

The active principles in Cadalmin™ GMe isolated from *P. viridis* were found to competitively inhibit inflammatory cyclooxygenase-2 (COX-2) and 5-lipoxygenase (5-LOX), resulting in decreased production of pro-inflammatory prostaglandins and leukotrienes. *In vivo* animal model studies revealed that the active principles effectively suppressed the edema produced by the histamine, which indicates that they exhibit its anti-inflammatory action by means of either inhibiting the synthesis, release or action of anti-inflammatory mediators.

CONTRAINDICATIONS

Individuals with seafood allergies and hyperuricemia should avoid taking GMe.

INGREDIENTS (60 capsules)

Cadalmin™ GMe (per capsule) active principle 400 mg enriched with 100% natural bioactive ingredients. The active ingredients have been encapsulated in gelatin based capsules.

RECOMMENDED DOSAGE

Two capsules a day after food for the first 3 months, followed by a maintenance dose of one capsule daily. Discontinuation/dosage alteration of the current medication(s) should be based on the advise of a physician.



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Cadalmin™ Anti-diabetic extract

ADe

*A green remedy for
type-II diabetes from
the seaweeds*



Cadalmin™ Antidiabetic extract (Cadalmin™ ADe) is a nutraceutical product, which provides a unique blend of 100% natural bioactive ingredients extracted from a blend of seaweeds as a natural remedy to type-II diabetes. The bioactive leads with antidiabetic activity were isolated from the seaweeds with an ecofriendly "green" technology. The active principles significantly inhibit dipeptidyl peptidase-4, tyrosine phosphatase, and α -glucosidase, which are responsible to cause type-II diabetes.

Cadalmin™ ADe is a natural alternative to the allopathic medications used in the treatment of type-II diabetes.

The preclinical trial showed no test substance-related general organ or systemic toxicity following long term oral administration of Cadalmin™ ADe.

CONTRAINDICATIONS

People with seafood allergies should consult physician. If pregnant, nursing or under medication, consult your physician before using the product.

INGREDIENTS (60 capsules)

Cadalmin™ ADe (per capsule) active principle 400 mg enriched with 100% natural antidiabetic ingredients. The active ingredients have been encapsulated in low moisture content 100% vegetarian based hydroxypropyl methylcellulose capsules.

RECOMMENDED DOSAGE

Two capsules twice daily for 3 months. Two capsules once daily, thereafter, after monitoring the blood sugar and HbA1c levels. Strictly follow the diabetic diet along with capsule intake. Discontinuation/dosage alteration of the current medication(s) should be based on the advise of a physician.

Nutraceutical Products of ICAR-CMFRI



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Cadalmin™ Green Algal extract

GAe

*A green remedy to
joint pain and
arthritis from
the seaweeds*



A 100% vegetarian nutraceutical from nature for joint pain and arthritis. Cadalmin™ Green Algal extract (GAe) provides a unique blend of 100% natural, bioactive anti-inflammatory ingredients extracted from seaweeds with an eco-friendly "green" technology to combat joint pain and arthritic condition.

The active principles in Cadalmin™ GAe competitively inhibit pro-inflammatory mediators, resulting in decreased production of inflammatory prostaglandins and leukotrienes.

The existing allopathic medication used in the treatment of joint pain and arthritis, are reported to produce several undesirable side effects, especially when used for longer duration. GAe is a green alternative to these allopathic preparations.

The active ingredients are chemically engineered to retain the anti-inflammatory properties for an extended shelf life and stability. Packed in low moisture content 'Naturecaps', Cadalmin™ GAe meets the needs of end users.

CONTRAINDICATIONS

Pregnant and nursing women should consult a physician. People with seafood allergies should consult a physician before taking GAe.

INGREDIENTS (60 capsules)

Cadalmin™ GAe (per capsule) active principle 400 mg enriched with 100% natural bioactive ingredients. The active ingredients have been encapsulated in low moisture content 100% vegetarian based hydroxypropyl methylcellulose capsules.

RECOMMENDED DOSAGE

Two capsules a day after food for the first 3 months, followed by a maintenance dose of one capsule daily. Discontinuation/dosage alteration of the current medication(s) should be based on the advise of a physician.

Cadalmin™ Anti-hypertensive extract

AHe

*A green remedy to
hypertension from
the seaweeds*



Cadalmin™ Antihypertensive extract (Cadalin™ AHe) is a nutraceutical product, which provides a unique blend of 100% natural bioactives from seaweeds with an ecofriendly "green" technology. Cadalmin™ AHe is a natural remedy for treating hypertension and its related effects from marine source.

The bioactive agents present in Cadalmin™ AHe can inhibit the angiotensin converting enzyme to convert angiotensin I (inactive decapeptide) to angiotensin II (a potent vasoconstrictor), and bradykinin (a hypotensive peptide) to inactive components, which are responsible to cause hypertension (high blood pressure).

Long term uses of synthetic anti-hypertensive drugs are reported to produce several undesirable side effects. AHe is a green alternative to these allopathic medications. The preclinical trial showed no test substance-related general organ or systemic toxicity following long term oral administration of Cadalmin™ AHe.

CONTRAINDICATIONS

People with seafood allergies should consult physician. If pregnant, nursing or under medication consult your physician before using the product.

INGREDIENTS (60 capsules)

Cadalmin™ AHe (per capsule) active principle 400 mg enriched with 100% natural bioactive ingredients. The active ingredients have been encapsulated in low moisture content 100% vegetarian based hydroxypropyl methylcellulose capsules.

RECOMMENDED DOSAGE

Two capsules twice daily for 3 months. Two capsules once daily, thereafter. Discontinuation/dosage alteration of the current medication(s) should be based on the advise of a physician.

Cadalmin™ Anti-hypothyroidism extract

ATe

*A green remedy to
hypothyroidism from
the seaweeds*



Cadalmin™ Anti-hypothyroidism extract (Cadalin™ ATe) is a nutraceutical product, which provides a unique blend of 100% natural marine bioactive ingredients with anti-hypothyroidism principles extracted from seaweed, with an ecofriendly "green" technology.

Cadalmin™ ATe is a natural remedy of hypothyroidism from the marine source. The bioactive leads concentrated in Cadalmin™ ATe were found to stimulate thyroid releasing hormone and increase the activity of selenodeiodinase to produce metabolically active thyroid hormones tetraiodothyronine (T4) and 3, 5, 3'-triiodothyronine (T3).

The unique biochemical engineering techniques adopted to retain the activities in the preparation of Cadalmin™ ATe assures higher shelf life. Cadalmin™ ATe has no harmful side effects. The preclinical trial showed no test substance-related general organ or systemic toxicity following long term oral administration of Cadalmin™ ATe.

CONTRAINDICATIONS

People with seafood allergies should consult physician. If pregnant, nursing or under medication consult your physician before using the product.

INGREDIENTS (60 capsules)

Cadalmin™ ATe (per capsule) active principle 400 mg enriched with 100% natural bioactive ingredients. The active ingredients have been encapsulated in low moisture content 100% vegetarian based hydroxypropyl methylcellulose capsules.

RECOMMENDED DOSAGE

Two capsules once daily in empty stomach at early morning. Discontinuation/dosage alteration of the current medication(s) should be based on the advise of a physician.

Cadalmin™ Anti-hypercholesterolemic extract

ACe

*A green remedy to
dyslipidemia and
obesity from the
seaweeds*



Cadalmin™ Antihypercholesterolemic extract (Cadalin™ ACe) is a nutraceutical product, which provides a unique blend of 100% natural bioactive ingredients extracted from seaweeds with an ecofriendly "green" technology.

Cadalmin™ ACe is a natural remedy of dyslipidemia and obesity from marine source. Bioactive pharmacophore leads from seaweeds were used to develop Cadalmin™ ACe, which can be administered to regulate clinical indicators leading to obesity and dyslipidemia. The bioactive principles in the nutraceutical inhibit hydroxymethyl glutaryl coenzyme A reductase, various target receptors and other rate limiting enzymes, which are responsible to cause obesity and dyslipidemia.

The preclinical trial showed no test substance-related general organ or systemic toxicity following long term oral administration of Cadalmin™ ACe.

CONTRAINDICATIONS

People with seafood allergies should consult physician. If pregnant, nursing or under medication, consult your physician before using the product.

INGREDIENTS (60 capsules)

Cadalmin™ ACe (per capsule) active principle 400 mg enriched with 100% natural bioactive ingredients. The active ingredients have been encapsulated in low moisture content 100% vegetarian based hydroxypropyl methylcellulose capsules.

RECOMMENDED DOSAGE

Two capsules twice daily before food for 3 months. Two capsules once daily, thereafter. Strictly follow the low fat diet along with capsule intake. Discontinuation/dosage alteration of the current medication(s) should be based on the advise of a physician.